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U. S. Department of Agriculture

ROOT'S

NURSERIES

Growers of
QUALITY TREES AND PLANTS
FRUIT AND ORNAMENTAL

MANHEIM, PA., R. D. 1

Lancaster Co., Pa.

INSTRUCTIONS TO PURCHASERS

How to Figure Your Order. One to four trees or plants of one variety sold at the each rate; 5 to 25 of one variety at the ten rate; 25 to 250 of one variety at the 100 rate; 250 or more at the 1000 rate.

Orders. Orders should be sent in just as soon as possible after receiving catalog. By placing orders early you are more certain of getting the varieties wanted, as late in the season we are often sold out of some of the varieties. If ordered early we can reserve the stock until proper time for planting.

Shipping. We have the Pennsylvania and Reading Railroads and can ship in any direction with the probability of prompt arrival at destination. All shipments travel at the cost and risk of the purchaser.

Truck Deliveries. Truck load orders will be delivered free, reasonable distances; long hauls and smaller orders delivered by special arrangement. We are well equipped to give good truck service.

Guarantee and Claim. All stock is guaranteed to be true-to-name, dug properly, and in good condition when shipped. Any tree or plant which is untrue to name will be promptly replaced. In case of any error on our part, it is mutually agreed between the purchaser and ourselves that we shall not at any time be held responsible for a greater amount than the original price of the nursery products.—As we have no control over its care and usage after it leaves our hands, we cannot guarantee it to live and grow or to give specific results.—We insist that all claims for damaged or unsatisfactory stock be made promptly.

Our nurseries are inspected every year and every shipment will be accompanied by a Certificate of the State Examiner.

Planting. Proper planting is important. Complete planting instructions free for the asking.

Terms Cash, except when expressly agreed otherwise.

Substitution. We reserve the right in case we are out of a variety to substitute another of equal merit when it can be done,—unless the order is plainly marked NO

SUBSTITUTION. In this case we will fill the order as completely as possible and refund the balance of remittance, if paid in advance.

Prices. The prices quoted in this catalog are F. O. B. our Nurseries except where otherwise noted. They are as low as was consistent at the time of printing, considering wages and other costs. However, they are subject to change without notice.

B. & B. indicates that a tree or shrub will be Balled & Burlapped at price listed. Should any other tree or shrub be desired B. & B. there will be the following scale of charges: 2 to 3 ft. \$.25, 3 to 4 ft. \$.35, 4 to 5 ft. \$.50, 5 to 6 ft. \$.60, 6 to 8 ft. \$.90, 8 to 10 ft. \$1.25. Smaller or larger sizes will be charged in proportion.

APPLES

Our list of varieties is confined to the best ones only. Most varieties of Apples on our list do well in all sections of the country where Apples are grown. For spraying instructions consult your County Agent or Experiment Station in your state.

	Each	Per 10	Per 100
Two year 4 to 5 ft.	\$.50	\$4.00	\$35.00
Two year 5 to 6 ft. ....	.60	5.00	40.00
Extra Selected 6 to 7 ft. ....	.75	6.00	50.00
One year old apple trees	5 cents less per tree.		

SUMMER AND FALL VARIETIES

YELLOW TRANSPARENT. Earliest and best; white, tender, juicy, sprightly sub-acid; grows upright; bears when young, making good filler.

EARLY HARVEST. Medium; pale yellow; tender, juicy, good quality.

SUMMER RAMBO. Very large; greenish red, striped; tender, juicy; tree strong grower.

RED ASTRACHAN. Large, nearly covered with deep crimson, juicy, rich, acid, beautiful.

EARLY STRAWBERRY. Tender, juicy, productive.

WATERMELON. Large, pale yellow; sweet, tender and juicy.

EARLY McINTOSH. A McIntosh hybrid being almost solid red. Flesh white, crisp and juicy, with the same high quality as McIntosh.

GRAVENSTEIN. Large striped, fine quality, one of the best fall sorts.

MAIDEN BLUSH. One of the most beautiful; pale lemon with crimson cheek; flesh white, tender and crisp.

WEALTHY. Almost solid red. Flesh white, tender, crisp, juicy, fine grained.

McINTOSH. Medium size, nearly covered with red, flesh yellowish, tender, juicy, sub-acid.

SMOKEHOUSE. Fruit medium to large. Color yellow or greenish mottled with red.

RED SMOKEHOUSE. The fruit is somewhat smaller but colors much better than Smokehouse.

WINTER VARIETIES

GRIMES GOLDEN. Large, skin golden yellow; flesh tender and crisp. A very good apple.

STAYMAN WINESAP. A profitable sort to grow for market, and for home use. Large in size, fine appearance, good quality, juicy and crisp, color red.

DOUBLE RED STAYMAN. Similar to Stayman Winesap, excepting that it colors earlier and produces fruit of higher color.

DELICIOUS. Red, fine grained; juicy, quality very good. A good apple for either home use or market.

DOUBLE RED DELICIOUS. A very fine colored, solid red strain of Delicious resembling its parent in all characteristics except color.

YELLOW DELICIOUS. A good variety, resembling the Red Delicious somewhat in shape. Ripens about the same time as Grimes Golden.

ROME BEAUTY. Large; roundish, with bright red on a pale yellow ground. A profitable variety.

RED ROME. A solid red Rome Beauty sport. It is typical of Rome Beauty in every way except that the fruit averages smaller.

APPLES (Cont'd)

CORTLAND. A cross between McIntosh and Ben Davis, inheriting the good qualities of both parents. It is a beautiful red, larger than McIntosh, and matures a month later; hangs well to the tree.

PARAGON. An apple of large size; yellowish, covered with deep red, flesh tender, sub-acid aromatic.

WINTER BANANA. Large, golden yellow and beautifully shaped with bright crimson red. Flesh lemon yellow, fine grained, sub-acid, rich, aromatic flavor.

PARADISE WINTER SWEET. Large; creamy white, rosy cheeked. One of the best sweet winter varieties.

RHODE ISLAND GREENING. Large, greenish yellow, tender, juicy, rich, acid. The old reliable Winter cooking apple, and also good for dessert.

FALLAWATER (sometimes called Pound Apple). Large; yellowish green.

HUBBARDSTON. Large, red, striped, tender, juicy.

STARK. Large, striped, mild, sub-acid, good. Valuable as a keeper.

BALDWIN. Large, bright red, crisp, juicy, rich.

RAMBO. Medium, red and yellow. Mild flavor. Excellent old variety.

YORK IMPERIAL. A medium to large winter apple with yellow skin shaded red; firm, juicy, sub-acid. An excellent canning and shipping apple.

JONATHAN. Most beautiful of all apples. Fruit medium to large, roundish, yellow nearly covered with red.

CRAB APPLES

HYSLOP. Large; deep crimson; one of the most beautiful; very popular.

TRANSCENDENT. For many years the most popular crab apple. Fruit about an inch in diameter, yellow, with red cheek.

FLORENCE. Fruit bright ruby red and crimson. Tree is hardy and rather dwarf. Beautiful bloom.

PEACHES

We are offering only a limited number of varieties, ones that you can depend on giving you a good crop of fruit.

PRICE OF PEACHES	Each	Per 10	Per 100
2 to 3 ft. 5/16 in. cal.....	\$.25	\$2.00	\$15.00
3 to 4 ft. 7/16 in. cal.....	.30	2.50	18.00
4 to 5 ft. 9/16 in. cal.....	.40	3.00	20.00
4 to 6 ft. 11/16 in. cal.....	.50	4.00	25.00
5 to 6 ft. 3/4 in. cal.....	.75	6.00	

Varieties listed according to season of ripening as near as possible.

SNEED (Cling). Bright red cheeks. Earliest market peach.

GREENSBORO (Semi-Cling). Hardy and productive, fruit large and tree healthy. Color white with crimson cheek.

GOLDEN JUBILEE. Yellow, freestone, ripening four or five days ahead of Carman. Very attractive peach of good size and fair quality. It withstands shipment better than most early varieties.

TRIOGEM. Highly colored red, flesh yellow, freestone. Fruit buds are very hardy. Ripens a few days after Golden Jubilee.

CUMBERLAND. A seedling crossed with Greensboro. The fruit is larger than Belle, attractively colored with red, oval in shape. The flesh is white, almost free.

DELICIOUS. A new early peach of good quality. Fruit fairly large, white fleshed, freestone. Ripens about the same time as Cumberland.

HILEY (Early Belle). It resembles Belle of Georgia. White-fleshed, pretty red cheek and good quality.

ROCHESTER. Has the habits and characteristics of the Crawford. Yellow, freestone, very sweet and fine flavor.

SUN HIGH. Large smooth bright red. The flesh is yellow, freestone. Growers claim this to be one of the best of the New Jersey introductions.

SOUTH HAVEN. Yellow, freestone, deep yellow with a red cheek, delicious flavor. Ripens about fifteen days ahead of Elberta. Tree very hardy.

HALE HAVEN. A large beautifully colored, yellow fleshed peach, ripening about ten days before Elberta. The tree is hardy and fruit is of the highest quality.

GOLDEN EAST. A large oval, highly colored, yellow fleshed peach ripening about 15 days before Elberta.

CHAMPION. A large, handsome, early variety. Creamy white with red cheek; sweet, rich and juicy; hardy and productive.

BELLE OF GEORGIA. Very large peach with red cheek, flesh white and firm, of excellent flavor.

EARLY ELBERTA. This is one of the finest of all the Elberta family. Ripens from one week to ten days earlier than the Elberta.

ELBERTA. A valuable large peach, of good quality; fruit large, yellow with red cheek; flesh yellow; freestone. The leading market variety.

J. H. HALE. One of the best sorts for market or garden. Fruit is very large, round, quality excellent. Skin yellow, finely colored, flesh yellow. A very good one.

SHIPPER'S LATE RED. A large highly colored peach. Very hardy, yellow fleshed and freestone, of good quality. Ripens just after Hale and Elberta.

LEHMAN'S WHITE. Large white peach, very attractive. Ripens after Belle of Georgia. A variety worthy of a trial.

GOLD DROP. Medium size, hardy, very productive, good quality, early bearer.

STEVEN'S RARERIPE. White, partly covered with red. A good size and a splendid market variety.

IRON MOUNTAIN. Freestone. Fruit is of large size; color, white.

BILYEU'S LATE. Flesh white and firm. The latest variety known. Keeps long after picking.

QUINCES

	Each	Per 10
3 to 4 ft.	\$.50	\$4.00
4 to 5 ft.	.75	6.00
5 to 6 ft.	1.00	8.00

ORANGE. Fruit large, bright yellow, of excellent quality.

CHAMPION. A prolific and constant bearer of oval fruit, averaging larger than Orange and ripening later. A long keeper.

WAYNE COUNTY ORANGE. A superior new variety. Extra large, golden yellow, of excellent quality. Good cropper.

SWEET CHERRIES

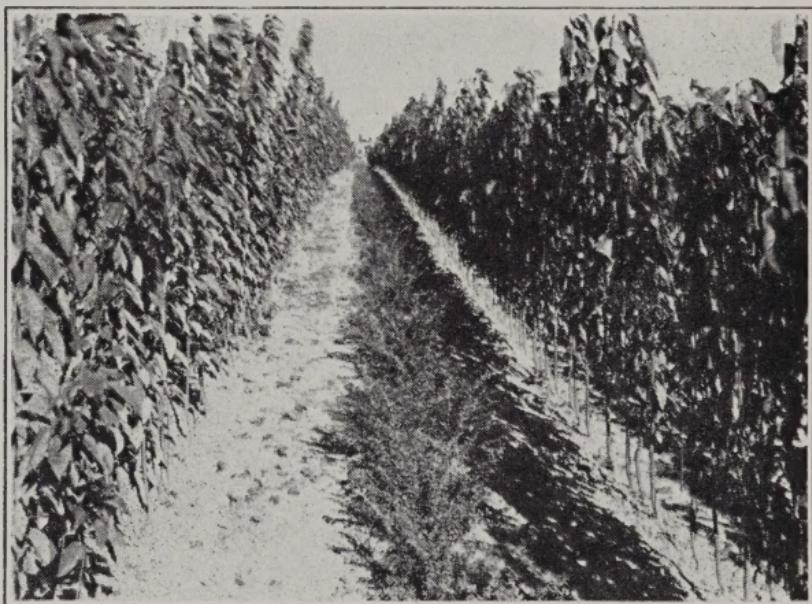
(Budded on Mazzard Root)

Our cherry trees are grown on soil adapted for growing good thrifty trees.

Sweet cherry are all budded on Mazzard seedlings, which has been proven the best understock for the sweet cherry.

We take special care to have our varieties true to name and during the growing season we endeavor to keep our trees in the best condition by spraying with a fungicide spray. We have had very good success by using Bordeaux Mixture. If you have had trouble to grow cherry trees, may we suggest that you try this method.

	Each	Per 10	Per 100
One year, 3 to 4 ft.	\$.60	\$5.00	\$45.00
One year, 4 to 5 ft. ....	.75	6.00	50.00
One year, 5 to 6 ft. ....	.85	7.50	60.00
Two year, 5 to 6 ft.	1.00	9.00	
Two year Extra Selected	1.50	12.50	



One year sweet cherry as they grow in the nursery.

BLACK TARTARIAN. Large, bright purplish black; juicy, rich. Tree a remarkably vigorous and erect grower, and an immense bearer. One of the most popular old varieties.

SCHMIDT'S BIGGAREAU. The fruit is of very large size, of deep mahogany color. Flesh dark, very firm and juicy, with a fine rich flavor. Fruit grows in clusters. Is an excellent shipper.

WINDSOR. Fruit large, liver-colored, distinct, flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety.

YELLOW SPANISH. A pale yellow cherry with bright red cheek. It is one of the most popular light-colored cherries; vigorous and productive.

NAPOLEON BIGGAREAU (Royal Ann). A beautiful cherry of large size; pale yellow with bright red cheeks; flesh firm, juicy and sweet; one of best for market and canning.

BING. Takes high rank in the west. Fruit very large, dark red, almost black; good quality; flesh very solid and delicious.

LAMBERT. A large purple red, meaty, juicy; good quality. Tree a strong grower and enormous bearer.

SENECA. Large purplish black, with juicy melting flesh and a rich sweet flavor. Resembles Black Tartarian but is more than two weeks earlier. A splendid early variety.

HOKE. An old variety which originated in York County. The fruit is large, dark, mottled with red, flesh firm and meaty, quality very good. A very fine canning cherry.

GOVERNOR WOOD. Large, heart-shaped; light yellow, mottled light red, juicy, sweet and rich. An old variety still a favorite in many regions.

SOUR CHERRIES

(1 and 2 year old)

	Each	Per 10	Per 100
2 to 3 ft. 7/16 in. cal.....	\$.50	\$4.00	\$35.00
3 to 4 ft. 9/16 in. cal.....	.60	5.00	40.00
4 to 5 ft. 11/16 in. cal.....	.85	7.50	50.00
5 to 6 ft. 1 in. and up.....	1.25	10.00	

MONTMORENCY (Improved Strain). The best sour cherry for commercial planting or for home use. Large, deep cherry red, very tender and juicy. Best bearer of all sour cherries. Favorite of canners everywhere.

EARLY RICHMOND. A dependable variety which seldom misses a crop. Medium size, red, melting, juicy.

ENGLISH MORELLO. Easily grown, generally producing a heavy crop. Dark red, quality good; late.

PEARS

Our pear trees are the finest we have ever grown. More pear trees should be planted as there is always ready sale for this fruit.

	Each	Per 10	Per 100
3 to 4 ft.	\$.50	\$4.00	\$35.00
4 to 5 ft. ....	.60	5.00	40.00
5 to 6 ft. ....	.75	6.00	50.00
Extra Selected 6 to 7 ft.	1.00	8.50	

BARTLETT. Season last of August to September 15th. Good strong grower, flesh is white, fine grained, luscious, large and buttery, has a rich melting flavor and very sweet. Excellent for canning.

CLAPP'S FAVORITE. Fruit large, yellow lemon color, spotted with brown dots; flesh fine, rich and sweet.

DUCHESS. Strong grower, productive, not subject to blight. Fruit large, light green patched with russet, melting, juicy, sweet and good.

KIEFFER. One of the most prolific pears. It is an abundant and regular bearer. Good shipper. Fruit large, color yellow with red cheek. Begins fruiting successfully when three years old. Season October.

SHELDON. A large, round, russet pear of very fine quality; melting, rich, and delicious. Tree vigorous, erect, and handsome; bears well.

LAWRENCE. Medium greenish yellow with brown dots, melting, pleasant, aromatic. Very productive.

SECKEL. Medium size, skin rich, yellowish brown with deep brownish red cheek when fully ripe; flesh very fine grained, sweet, exceedingly juicy, melting, buttery. One of the richest and highest flavored pears known.

WORDEN SECKEL. Seedling of Seckel. Much larger, very fine quality, sweet; yellow with beautiful red cheek.

DWARF PEAR TREES

If you have a limited space and want to grow some fruit, we suggest that you plant dwarf pears. All varieties of Pears do not give good results as Dwarfs. We recommend the following varieties:

BARTLETT

DUCHESS

	Each
3 to 4 ft.	\$.75
4 to 5 ft.	\$1.00

PLUM, APRICOT AND NECTARINE TREES

(Plum and apricot budded on plum root.)

	Each	Per 10
3 to 4 ft.	\$.40	\$3.50
4 to 5 ft. ....	.50	4.00
5 to 6 ft. ....	.75	6.00

PLUMS

ABUNDANCE. One of the oldest and best varieties; hardy, productive. Fruit large, good quality. August.

BURBANK. Most profitable among growers for market; ripens ten days after Abundance. Very productive.

RED JUNE. Productive; fair size, vermillion red; pleasant quality. Ripens a week before Abundance.

GOLD (Shiro). Large, oval, bright yellow; rich, juicy, fine quality. A good grower. Early.

LOMBARD. Dark purplish red, hardy and productive.

BEAUTY OF NAPLES. Large yellow, oval shaped; flesh juicy, rich and delicious.

POND'S SEEDLING. Large late plum, dark violet-red.

WASHINGTON. One of the largest and best yellow plums. Tree a good grower.

SATSUMA. Large, globular, with sharp point. Flesh dark red or blood color, firm and juicy, fine quality; pit very small. Hardy and vigorous grower.

BRADSHAW. A very large and fine early plum, dark violet red, juicy and good. Very productive; valuable for market.

LINCOLN. Fruit almost the color of Bradshaw, large, good quality; excellent for all purposes.

GERMAN PRUNE. Large, dark purple, sweet, good. One of the most popular for canning, because of its sweetness.

ITALIAN PRUNE. Good size, purple, juicy, delicious, fine for drying. September.

STANLEY PRUNE. A fine blue plum of medium size and high quality. Bears early and is a heavy producer.

APRICOTS

DALLAS. Fruit large, round, early, deep yellow with a fine blush, flesh yellow, firm, juicy and excellent.

ROYAL. Medium size, yellow, juicy, rich and delicious; a very fine variety, hardy in fruit bud.

NECTARINES

GOLDEN FLAME. This delicious, smoothed skinned fruit is a luxury for the home and has great possibilities for the commercial grower. Flaming wine-red blushed over with vivid gold. Rich golden orange flesh, firm and very sweet. Stone is perfectly free and small. Will thrive wherever peaches grow.

BEARING AGE FRUIT TREES

To the planter who wants quick results, we can offer some extra large trees, three to five years old, some of which bore in the Nursery row last summer.

We can supply **APPLE**, **PEAR** and **PLUM** in the following varieties:

APPLES. Early Harvest, Summer Rambo, Early McIntosh, Wealthy, Stayman Winesap, Double Red Stayman, Delicious, Gallia Beauty, Paradise, Jonathan.

PEARS. Bartlett, Sheldon, Lawrence, Worden Seckel.

PLUMS. Burbank, Gold, Lombard, Satsuma.

We have a few large trees in varieties not listed here. Ask for the particular variety you want, we may have it in this large size.

PRICES	Each	Each
1 1/4 to 1 1/2 in. cal.	\$1.50	B. & B. extra .90
1 1/2 to 2 in. cal.	2.50	B. & B. extra 1.25
Larger sizes, price on application.		

COMBINATION APPLE TREES

Ideal for Home Gardens. We have a good selection of Summer, Fall and Winter apples grown on one tree. Our selection of varieties, for a 4 to 6 ft. tree.

Five varieties on one	\$2.00
Four varieties on one	1.50
Three varieties on one	1.00

PERSIMMONS

We offer a good assortment of varieties of our native persimmon. The trees are very ornamental as well as fruitful. Plant a tree or two and enjoy its fruits. The trees we offer are all budded from fruiting trees. This causes them to start bearing at an early age. Some of our small trees bore fruit in the nursery row.

LAMBERT. Large size fruit, good quality, productive.

EARLY GOLDEN. Round type of fruit, fine flavored.

JOSEPHINE. Good quality, heavy bearer.

	Each		Each
2 to 3 ft.	\$1.00	4 to 5 ft.	\$2.00
3 to 4 ft.	1.50	5 to 6 ft.	2.50

MULBERRIES

"Plant a tree or two to feed your feathered friends—the Birds."

NEW AMERICAN. Very large, black, handsome, sweet, rich, and of excellent quality.

4 to 5 ft.	\$1.00	5 to 6 ft.	\$1.50
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RUSSIAN. Very hardy vigorous grower. Fruit small, varies in color from white to black.

4 to 5 ft.	\$.50	5 to 6 ft.	\$.75
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NUT TREES

Nut trees are valuable, useful and ornamental. No home should be without them. They are valuable as shade and ornamental trees, as well as for the nuts they produce.

ENGLISH WALNUT. A fine, lofty-growing tree, with handsome, spreading head. It produces large crops of delicious nuts, which are always in demand.

Most popular walnut grown.	Each
3 to 4 ft. seedlings	\$.75
4 to 5 ft. seedlings	1.00
5 to 6 ft. seedlings	1.50
3 to 4 ft. Mayette grafts	2.00
4 to 5 ft. Mayette grafts	2.50

ALMOND. Very hardy, makes quick growth, bears abundantly when young.

Each	Each
3 to 4 ft. \$.50	4 to 5 ft. .... .75

BLACK WALNUTS (Improved Varieties)

THOMAS. Nut very large, kernels large, light colored and of very good quality. Tree bears when very young and a strong grower.

STABLER. Of very good cracking quality; the kernels can easily be removed in halves and often in one piece. Also a very good variety.

3 to 4 ft. grafts	\$1.75
4 to 5 ft. grafts	2.00
5 to 6 ft. grafts	2.50

FILBERTS OR HAZELNUTS

BARCELONA. The leading commercial variety, good bearer.

WHITE AVELINE. Medium size nut, fair bearer. Quality excellent. Good pollinizer.

DU CHILLY. Nut large and long. Excellent quality and good bearer. Upright growth.

Note: Plant one of each variety for proper pollination.	Each	Each
2 to 3 ft. \$1.00	4 to 5 ft.	\$1.50
3 to 4 ft. 1.25		

CHESTNUTS

JAPAN CHESTNUT. This is a blight resistant variety, very hardy, makes quick growth, bears abundantly when young, produces large nuts.

2 to 3 ft. \$.75	5 to 6 ft.	\$2.00
3 to 4 ft. 1.00	6 to 8 ft.	3.00
4 to 5 ft. 1.50		

CHINESE CHESTNUT. The nuts of this variety are a little larger than the American chestnut. The quality is very good. Tree is blight resistant.

2 to 3 ft. \$1.00	4 to 5 ft.	\$2.00
3 to 4 ft. 1.50	5 to 6 ft.	2.50

Note: Two or more chestnut trees should be planted for proper pollination.

NORTHERN PECANS

POSEY. This is a large size nut with a real paper-shell; high quality. Tree is very ornamental.

GREENRIVER. The nut is medium size; thin shell; kernel full and plump, good quality.

INDIANA. One of the largest and best pecans. Heavy bearer.

3 to 4 ft. grafts	\$2.25
4 to 5 ft. grafts	2.50
5 to 6 ft. grafts	3.00

SMALL FRUITS

GRAPES

2 Year, \$.25 each, \$1.75 per 10, \$12.00 per 100.

BRIGHTON (Red). High quality, large.

NIAGARA (White). Standard white variety.

CONCORD (Blue). An old variety, very productive.

WORDEN (Blue). Earlier than Concord.

AGAWAM (Red). Large; rich aromatic flavor.

CACO (Red). Large, earlier than Concord. Bunches are compact and of good size.

PORTLAND (White). The earliest of all grapes. Large bunch and berry; juicy and good quality.

FREDONIA (Blue). Very early, a strong grower; excellent flavor.

CURRENTS (2 Year)

\$.30 each, \$2.50 per 10, \$20.00 per 100.

WILDER. Best commercial variety. Large red berries.

RED LAKE. The new giant red currant. Very hardy.

GOOSEBERRIES (2 Year)

\$.35 each, \$3.00 per 10.

POORMAN. Large; attractive red color.

JOSSLYN. Medium size, light red; good quality.

STRAWBERRIES

At prices below, strawberry plants will be shipped to your address via Prepaid Parcel Post.

EARLY VARIETIES	Per 100	Per 500	Per 1000
Dorsett	\$1.25	\$4.00	\$7.25
Fairfax	1.25	4.25	7.50
Premier	1.25	4.00	7.25
MIDSEASON VARIETIES			
Big Joe	1.25	4.00	7.25
Catskill	1.25	4.00	7.25
LATE VARIETIES			
Chesapeake	1.35	4.50	8.00
Wm. Belt	1.25	4.25	7.50
EVERBEARING VARIETIES			
Mastodon	1.75	6.00	11.00
Gem	1.75	6.00	11.00

RASPBERRIES

Per 25	Per 100
\$1.50	\$4.00
2.00	6.00
1.00	3.00

BLACKBERRIES

Per 25	Per 100
\$1.25	\$4.00
1.25	4.00

ASPARAGUS

WASHINGTON. The most popular variety.

Per 25	Per 100	Per 1000
\$.50	\$1.50	\$10.00
.40	1.25	8.00

RHUBARB

VICTORIA. Large, early, mild sub-acid flavor.

Each	Per 10	Per 100
\$.15	\$1.00	\$8.00

SHADE AND ORNAMENTAL TREES



Norway Maple

MAPLES

NORWAY MAPLE

(Acer platanoides)

Most popular and best known shade tree. Green foliage remains until late fall and turns to rich yellow.

	Each
6 to 8 ft.	\$1.50
8 to 10 ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in. cal.	2.50
10 to 12 ft., 1 $\frac{1}{2}$ to 2 in. cal.	3.50
12 to 14 ft., 2 to 2 $\frac{1}{2}$ in. cal.	4.50
12 to 14 ft., 2 $\frac{1}{2}$ to 3 in. cal.	6.00
14 to 16 ft., 3 to 4 in. cal.	8.00

SILVER MAPLE

(Acer dasycarpum)

Tall, stately tree, rapid grower, graceful, leaves silver underneath.

8 to 10 ft.	\$1.50
10 to 12 ft.	2.50

SCHWEDLER'S RED-LEAVED MAPLE

(Acer platanoides schwedleri)

Probably the best large growing purple leaf tree. Useful as lawn specimen.

6 to 8 ft.	\$2.50
8 to 10 ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in. cal.	4.00
10 to 12 ft., 1 $\frac{1}{2}$ to 2 in. cal.	5.00

In most varieties we can supply smaller or larger sizes than listed. Prices on application.

SUGAR MAPLE

(Acer saccharum)

Very beautiful; compact growth. A favorite for street or lawn planting.

	Each
8 to 10 ft.	\$2.50
10 to 12 ft., 1½ to 1¾ in. cal.	3.75
12 to 14 ft., 1¾ to 2 in. cal.	5.00

BLOODLEAF MAPLE (Acer palmatum atropurpureum)

A good dwarf tree with rich purple-red leaves all summer. Best in sun.

12 to 15 in., B. & B.	\$1.50
15 to 18 in., B. & B.	2.00
18 to 24 in., B. & B.	3.00
2 to 2½ ft., B. & B.	4.00
2½ to 3 ft., B. & B.	5.00

BEECH**RIVERS PURPLE BEECH** (Fagus sylvatica riversi)

The best purple leaf tree. Handsome and dignified.

4 to 5 ft., B. & B.	\$6.00
5 to 6 ft., B. & B.	8.00
6 to 8 ft., B. & B.	10.00

BIRCH**EUROPEAN WHITE BIRCH** (Betula alba)

Known by its white bark.

6 to 8 ft., B. & B.	\$2.00
8 to 10 ft., B. & B.	3.00

CUTLEAF WEEPING BIRCH (B. alba laciniata)

Excellent tree for lawn planting. Very graceful. Beautiful white bark.

5 to 6 ft., B. & B.	\$2.00
6 to 8 ft., B. & B.	2.75
8 to 10 ft., B. & B.	4.00
10 to 12 ft., B. & B.	6.00
12 to 14 ft., B. & B.	7.50

PYRAMIDAL WHITE BIRCH (Betula fastigiata)

Columnar form of the European Birch. Excellent where heavy formal effects are desired.

5 to 6 ft., B. & B.	\$1.75
6 to 8 ft., B. & B.	2.50
8 to 10 ft., B. & B.	3.50

POPLAR TREES**LOMBARDY POPLAR** (Populus nigra italicica)

Tall spire-like character; valued for landscape work and screens.

	Each	Per 10
8 to 10 ft.	\$1.00	\$ 7.50
10 to 12 ft.	1.25	10.00
12 to 14 ft.	1.50	12.50

ASH**EUROPEAN MOUNTAIN ASH** (Sorbus aucuparia)

A valuable tree on a small lawn; the scarlet berries are quite striking.

	Each
5 to 6 ft.	\$1.50
6 to 8 ft.	2.25
8 to 10 ft.	3.00



Babylon Weeping Willow

WILLOWS

Rapid growing trees desirable for quick effects. Of distinctive form, making pleasing contrast with other trees. Must not necessarily be planted near water.

BABYLON WEEPING WILLOW (Salix Babylonica)

Pretty as single specimen to contrast with upright trees and particularly attractive near water; branches olive-green, slender and drooping.

	Each
5 to 6 ft.	\$1.25
6 to 8 ft.	1.50
8 to 10 ft.	2.25

ELM

AMERICAN ELM

(*Ulmus americana*)

Stateliness and dignity are here exemplified. Fairly rapid in growth, this typical American tree soon assumes regal proportions and commands respect of all who look upon it.

6 to 8 ft.	\$1.25
8 to 10 ft.	2.00
10 to 12 ft., 1½ to 2 in. cal.	3.50
12 to 14 ft., 2 to 2½ in. cal.	5.00

MOLINE ELM

(*Ulmus Moline*)

A new variety of extremely strong growth with large handsome deep green foliage. Very desirable.

8 to 10 ft.	\$2.00
10 to 12 ft.	3.00
12 to 14 ft.	4.50

CHINESE ELM

(*Ulmus pumila*)

Beautiful, fast grower, very hardy.

6 to 8 ft.	\$1.50
8 to 10 ft.	2.00
10 to 12 ft., 1½ to 2 in. cal.	3.00

OAK

PIN OAK

(Quercus palustris)

Graceful, spreading. Pyramidal habit; deeply cut leaves held late into winter. Good lawn or street tree.

	Each
6 to 8 ft.	\$2.00
8 to 10 ft.	3.00
10 to 12 ft., 1½ to 2 in. cal.	4.50
12 to 14 ft., 2 to 2½ in. cal.	6.00

SCARLET OAK

(Quercus coccinea)

Most striking autumn colors; tall, stately grower, deeply cut leaves.

6 to 8 ft.	\$3.50
8 to 10 ft.	5.00

RED OAK

(Quercus rubra)

Comparatively quick growth; rich autumn coloring in greens and reds.

6 to 8 ft.	\$2.50
8 to 10 ft.	3.50

PLANE TREES

ORIENTAL PLANE

(Platanus orientalis)

A good tree for park and street use; grows rather quickly; withstands smoky city conditions.

6 to 8 ft.	\$1.50
8 to 10 ft.	2.00
10 to 12 ft., 1½ to 2 in. cal.	3.50
12 to 14 ft., 2 to 2½ in. cal.	5.00

LINDEN

AMERICAN LINDEN

(Tilia americana)

Grows rather quickly, forming an open head. Has fragrant yellow flowers.

6 to 8 ft.	\$1.50
8 to 10 ft.	2.25
10 to 12 ft.	3.00

LITTLELEAF EUROPEAN LINDEN

(Tilia cordata)

Very small leaves and desirable habit of growth.

6 to 8 ft.	\$2.25
8 to 10 ft.	3.00

MAGNOLIA

SAUCER MAGNOLIA

(Magnolia soulangeana)

Producing large cup-shaped, white and rosy violet flowers 3 to 5 inches across, in the spring before the leaves unfurl. This variety is the hardiest and most adapted to northern conditions.

18 to 24 in., B. & B.	\$2.00
2 to 3 ft., B. & B.	3.00
3 to 4 ft., B. & B.	4.50

PURPLE MAGNOLIA

This variety is similar to the above in every respect except the color of bloom. Flowers are dark purple and very attractive.

18 to 24 in., B. & B.	\$2.50
2 to 3 ft., B. & B.	3.50

In most varieties we can supply smaller or larger sizes than listed. Prices on application.

DOGWOOD

WHITE FLOWERING DOGWOOD (*Cornus florida*)
Among the best of the spring flowering small trees.

	Each
3 to 4 ft., B. & B.	\$2.00
4 to 5 ft., B. & B.	3.00

RED FLOWERING DOGWOOD (*C. florida rubra*)
Slower growing and more formally shaped, with handsome red flowers. An attractive lawn specimen or group subject.

2 to 3 ft., B. & B.	\$2.25
3 to 4 ft., B. & B.	3.50
4 to 5 ft., B. & B.	4.50
5 to 6 ft., B. & B.	6.00

MULBERRY

TEA'S WEEPING MULBERRY (*Morus alba pendula*)
The most graceful hardy weeping tree in existence. Forms a perfect shaped head, with long, slender, willowy branches, drooping to the ground.

Light heads	\$2.50
Medium heads	3.50

FLOWERING CHERRY

The Flowering Cherry trees vary greatly in form. Their beauty and charm are indeed individual. The varieties we offer are the best obtainable.

AMANOGAWA CHERRY

A distinct form with a Lombardy Poplar style of growth. Semi-double pink flowers gracefully hang in dense clusters.

4 to 5 ft.	\$2.50
5 to 6 ft.	3.00

KOFUGEN (James H. Veitch)

One of the latest to bloom; the large double pink flowers expand with the coppery young foliage; a nice contrast. This is the most popular and reliable variety.

3 to 4 ft.	\$1.50
4 to 5 ft.	2.00
5 to 6 ft.	3.50

MT. FUJI CHERRY

Undoubtedly the finest double white. Large and pure in color, the flowers blanket the well formed tree as would snow.

3 to 4 ft.	\$2.00
4 to 5 ft.	2.50

KWANZAN CHERRY

Large double pink flowers, almost red in bud. Well formed tree, vigorous grower.

3 to 4 ft.	\$2.00
4 to 5 ft.	2.75

WEEPING JAPANESE CHERRY

A most beautiful and graceful tree, covered with single pink blossoms in early Spring.

1 year head	\$3.00
2 year head, B. & B.	4.50

DOUBLE FLOWERING WEEPING JAP. CHERRY

Imagine, if you can, a glorified weeping cherry with the same graceful fountain-like sweep of branches, each thickly studded with double pink flowers; it is truly magnificent.

1 year head	\$2.25
2 year head	3.50

FLOWERING CRABS

The Flowering Crab Apples, with their fragrant flowers in a great array of colors, followed by attractively colored fruits, are coming more and more into general favor for ornamental planting.

SARGENT CRAB

(*Malus sargentii*)

A dwarf spreading Japanese type with pure white flowers and small showy scarlet fruits which hang till Spring, unless eaten by the birds.

	Each
3 to 4 ft.	\$1.75
4 to 5 ft.	2.50

CARMINE CRAB

(*Malus atrosanguinea*)

Very showy; rich rose-red blossoms.

3 to 4 ft.	\$1.25
4 to 5 ft.	1.75

PURPLE CRAB

(*Malus purpurea*)

A very attractive tree with purple foliage. Red flowers followed by rich purplish red fruits.

4 to 5 ft.	\$1.25
5 to 6 ft.	1.75
6 to 8 ft.	2.25

BECHTELS CRAB

(*Malus ioensis plena*)

Large, double, fragrant flowers, delicate shell-pink, resembling small roses.

3 to 4 ft.	\$1.50
4 to 5 ft.	2.25

FLOWERING PEACH AND PLUM

DOUBLE RED FLOWERING PEACH

Habit of growth similar to that of a peach tree. The double red flowers are very attractive in the early Spring.

	Each		Each
3 to 4 ft.	\$.75	5 to 6 ft.	\$1.50
4 to 5 ft.	1.00		

DOUBLE FLOWERING PLUM

(*Prunus triloba*)

Upright in growth; slender branches completely covered with double pink flowers before leaves appear.

2 to 3 ft.	\$.75	3 to 4 ft.	\$1.00
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PURPLELEAF PLUM

(*Prunus pissardi*)

Valued chiefly for its purplish foliage; should be pruned every year for best color effect.

3 to 4 ft.	\$.75	5 to 6 ft.	\$1.50
4 to 5 ft.	1.00		

ORNAMENTAL SHRUBS

ALTHEA—ROSE OF SHARON

ALTHEA

(*Hibiscus syriacus*)

A large shrub, sometimes trimmed into tree form, that blooms freely in August or September, when almost every tree is out of bloom. Vigorous grower and succeeds everywhere. Also called Rose of Sharon. We can furnish double varieties in these colors: Purple, Red, Pink and White.

18 to 24 in.	\$.30	3 to 4 ft.	\$.50
2 to 3 ft. ....	.40		

FORSYTHIA—(GOLDEN BELL)

FORTUNE FORSYTHIA (*Forsythia suspensa fortunei*)
Good habit, arching branches, vigorous grower.

	Each		Each
18 to 24 in.	\$.30	3 to 4 ft.	\$.50
2 to 3 ft. ....	.40	4 to 5 ft. ....	.60

SHOWY BORDER FORSYTHIA

(*Forsythia intermedia spectabilis*)
Most profuse of all, with rich golden yellow flowers.
18 to 24 in. \$.30 3 to 4 ft. \$.50
2 to 3 ft.40 4 to 5 ft.60

SPIREAS

VAN HOUTTE SPIREA (*Spirea vanhouttei*)
Grandest of all Spirea; very desirable shrub. Abundance of pure white blooms, graceful habit.

18 to 24 in.	\$.20	3 to 4 ft.	\$.40
2 to 3 ft. ....	.30	4 to 5 ft. ....	.60

BILLARDI SPIREA (*Spirea billardi*)
Bright pink fluffy flower spikes, July-October. Valuable for dry places.

2 to 3 ft.	\$.35	4 to 5 ft.	\$.60
3 to 4 ft. ....	.45		

ANTHONY WATERER SPIREA

Deep rose pink; very free flowering all summer.

9 to 12 in.	\$.25	15 to 18 in.	\$.40
12 to 15 in. ....	.30	18 to 24 in. ....	.50

BLUE SPIREA (*Caryopteris incana*)
Lavender-blue flowers, Sept.-Oct. Splendid for massing. Requires protection.

15 to 18 in.	\$.40	18 to 24 in.	\$.50
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THUNBERG'S SPIREA (*Spirea thunbergi*)
White flowers with feathery, yellowish green foliage.
12 to 18 in. \$.25 2 to 3 ft. \$.50
18 to 24 in.40 3 to 4 ft.75

DEUTZIAS

SNOWFLAKE DEUTZIA (*Deutzia candidissima*)
Vigorous, graceful grower; double white flowers. One of the best.

2 to 3 ft.	\$.30	4 to 5 ft.	\$.45
3 to 4 ft. ....	.35	5 to 6 ft. ....	.60

DEUTZIA PRIDE OF ROCHESTER (*Deutzia scabra*)
Vigorous, large flower tinged pink, June.

3 to 4 ft.	\$.50	4 to 5 ft.	\$.60
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DOUBLE PINK DEUTZIA (*Deutzia crenata*)
Pink, slightly fragrant, June.

2 to 3 ft.	\$.40	3 to 4 ft.	\$.50
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Most Flowering Shrubs can be moved when in bloom, if they are B. & B.
B. & B. extra. See price schedule.



Lemoine Deutzia

SLENDER DEUTZIA

(Deutzia gracilis)

White, bell-shaped flowers. Dwarf grower, fine for edging other shrubbery.

Each

12 to 15 in....	\$.35
15 to 18 in....	.40
18 to 24 in....	.50
2 to 3 ft....	.60

LEMOINE DEUTZIA

(Deutzia lemoinei)

Early bloomer; white flowers on upright branches.

15 to 18 in....	\$.30
18 to 24 in....	.40
2 to 3 ft....	.50
3 to 4 ft....	.60

SNOWBALL—VIBURNUM**JAPANESE SNOWBALL**

(Viburnum plicatum)

Upright, somewhat spreading habit; covered in June with dense heads of snowy-white flower-clusters, which have a beautiful setting in the deep green foliage.

Each

18 to 24 in....	\$.50	3 to 4 ft....	\$ 1.00
2 to 3 ft....	.75	4 to 5 ft....	1.25

EUROPEAN CRANBERRY-BUSH

(V. opulus)

Flat heads of showy, white flowers, three to four inches across, May and June, followed by clusters of bright scarlet fruit, remaining over winter.

18 to 24 in....	\$.50	3 to 4 ft....	\$.75
2 to 3 ft....	.60	4 to 5 ft....	1.00

AMERICAN CRANBERRYBUSH

(Viburnum americanum)

Bright scarlet berries in large bunches, persisting all winter.

18 to 24 in....	\$.50	2 to 3 ft....	\$.75
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SNOWBERRY**SNOWBERRY**

(Symphoricarpos racemosus)

Waxy, showy snow-white berries in autumn, as large as cranberries. Effective in masses.

2 to 3 ft....	\$.40	3 to 4 ft....	\$.50
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CHENAULT CORALBERRY

(S. chenaultii)

Quite an improvement on the Coralberry. Always neat and well furnished in appearance, particularly handsome when the slender branches are laden with coral red fruits.

18 to 24 in....	\$.30	2 to 3 ft....	\$.45
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BUSH HONEYSUCKLE**MORROW HONEYSUCKLE**

(Lonicera morrowii)

White flowers in May and June, followed in July and August with bright red fruit.

2 to 3 ft....	\$.40	3 to 4 ft....	\$.50
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TATARIAN HONEYSUCKLE

(L. tatarica)

Pink, red and white flowers and fruit freely produced. A most adaptable shrub. Please state color wanted.

2 to 3 ft....	\$.40	3 to 4 ft....	\$.50
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MOCK-ORANGES

SWEET MOCK-ORANGE (Philadelphus coronarius)
White fragrant flowers profusely borne in May-June.

	Each		Each
2 to 3 ft.	\$.40	4 to 5 ft.	\$.60
3 to 4 ft. ....	.50		

GOLDEN LEAF MOCK-ORANGE (P. coronarius aureus)
Brilliant yellow foliage in spring, holding color fairly well throughout the summer. White flowers, May and June.

15 to 18 in.	\$.60	18 to 24 in.	\$.75
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VIRGINAL MOCK-ORANGE (P. virginiana)
Here is the most beautiful variety of its class. It produces large double-crested flowers of pure white, deliciously fragrant. Blooms two and one-half inches across and in May and early June completely cover the branches. Bloom all summer.

18 to 24 in.	\$.50	3 to 4 ft.	\$ 1.00
2 to 3 ft. ....	.75	4 to 5 ft.	1.50



Virginal Mock-Orange

WEIGELA

Popular and showy shrubs whose branches bend beneath the weight of their abundance of pretty flowers, resembling in form the honeysuckle. Needed in all shrub borders, large or small.

RED-FLOWERED WEIGELA (Weigela Eva Rathke)
The Everblooming Weigela. Dark red flowers, marked white, and splendid foliage produce an effect not to be had in any other shrub; flowers continuously.

18 to 24 in.	\$.50	2 to 3 ft.	\$.60
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PINK WEIGELA

(Weigela rosea)

Showy, pink flowers freely produced. June. Vigorous grower.

	Each		Each
2 to 3 ft.	\$.40	3 to 4 ft.	\$.50

VARIEGATED-LEAVED WEIGELA

(Weigela nana variegata)

Very pretty, dense shrub; leaves variegated with white and yellow. Flowers clear rose in June

2 to 3 ft.	\$.50	3 to 4 ft.	\$.60
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LILACS**COMMON LILAC**

(Syringa vulgaris)

Will never lose its popularity. Purple flowers in May.

2 to 3 ft.	\$.50	4 to 5 ft.	\$.75
3 to 4 ft. ....	.60		

WHITE LILAC

(S. vulgaris alba)

The familiar white flowering variety blooming in May.

2 to 3 ft.			\$.75
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FRENCH LILACS—NAMED VARIETIES

Improved form of Lilac with larger, more fragrant and earlier clusters of flowers.

Alphonse Lavalle, double deep lilac blue.

Hugo Koster, single lilac blue.

Charles the Tenth, reddish purple, single.

Marie LeGraye, single white.

Michel Buchner, double lilac.

Mme. Lemoine, double white.

President Grevy, double light pink lilac.

18 to 24 in.	\$.90	3 to 4 ft.	\$ 1.75
2 to 3 ft.	1.25		

BUTTERFLY BUSH (Buddleia)**CHARMING.** New outstanding pink; blooming throughout late summer and autumn, long sprays lavender pink flowers.

1 year	\$.50	2 years	\$.75
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ILE DE FRANCE. A splendid vigorous variety. Violet purple clusters bloom in great abundance in mid-summer. Sweet and fragrant.

1 year	\$.40	2 years	\$.60
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DUBONNET. Reddish purple; fine improvement on Ile de France. Nearest true red introduction to date.

1 year	\$.50	2 years	\$.75
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An inexpensive but beautiful planting with Flowering Shrubs.

HYDRANGEAS

Among the best and most popular shrubs, valuable for their wealth of late summer blooms.

PEEGEE HYDRANGEA (Paniculata Grandiflora)

Large flowers, first snowy white, then pink, then reddish bronze and green. Blooms from middle summer until fall. Best selling variety of Hydrangeas grown.

	Each		Each
18 to 24 in.	\$.40	3 to 4 ft.	\$.60
2 to 3 ft. ....	.50		

TREE HYDRANGEA (Paniculata grandiflora standard)

Flowers similar to bush form.

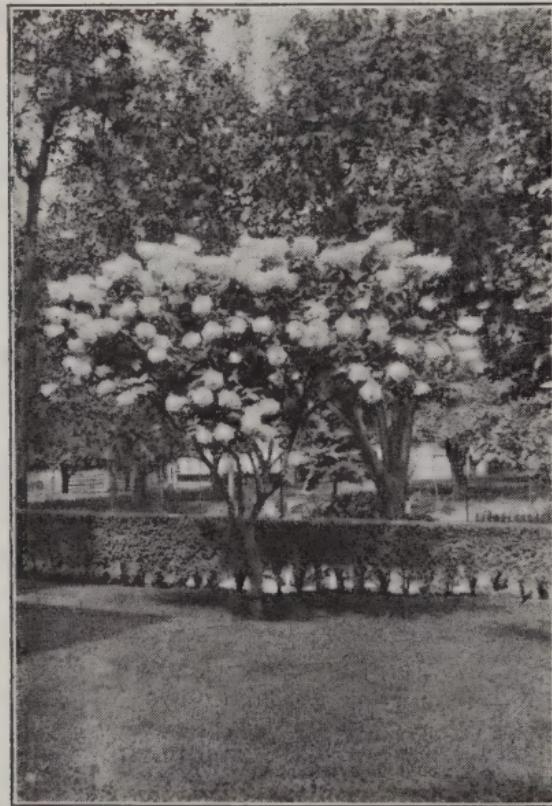
2 to 3 ft.	\$ 1.00	3 to 4 ft.	\$ 1.50
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HILLS OF SNOW HYDRANGEA

(Arborescens grandiflora)

Conspicuous white flowers in great clusters during midsummer. Suitable for shady places.

18 to 24 in.	\$.40	2 to 3 ft.	\$.50
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Tree Hydrangea and California Privet Hedge

OTHER POPULAR SHRUBS

CHINESE BEAUTYBERRY (Callicarpa purpurea)

Most graceful recurving branches, covered in August with tiny pink-tinted flowers. Followed in late September by masses of violet-purple berries, which last until midwinter.

18 to 24 in.	\$.30	3 to 4 ft.	\$.60
2 to 3 ft. ....	.40		

BEAUTY BUSH (Kolkwitzia amabilis)

A beautiful shrub similar to the Weigela. Mass of pink flowers, early May.

2 to 3 ft.	\$.80	3 to 4 ft.	\$ 1.25
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FIVE LEAF ARAlia (Acanthopanax pentaphyllum)
Graceful, arching habit; splendid for banks; very adaptable; good foliage for smoky exposures.

	Each		Each
18 to 24 in.	\$.35	3 to 4 ft.	\$.60
2 to 3 ft. ....	.45	4 to 5 ft. ....	.75

WINGED EUONYMUS (Euonymus alatus)
Interesting corky bark, warm crimson autumn coloring. Makes fine specimen shrub.

18 to 24 in.	\$.75	3 to 4 ft.	\$ 1.50
2 to 3 ft.	1.00	4 to 5 ft.	2.00

NINEBARK (Physocarpus opulifolius)
Creamy white, June. Vigorous. Good for shade.
3 to 4 ft. \$.40 4 to 5 ft. \$.50

FLOWERING QUINCE (Cydonia Japonica)
Large, scarlet flowers in masses in May make this one of the most attractive of the spring-flowering shrubs. Foliage, dark glossy green.
18 to 24 in. \$.50 2 to 3 ft. \$.60

FLOWERING ALMOND (Amygdalus nana)
Flowers double, May; very showy; there are pink and white varieties.
18 to 24 in. \$.50 2 to 3 ft. \$.75

SWEETSHRUB (Calycanthus floridus)
Much planted for its fragrant, strawberry-scented, chocolate-colored blossoms, spring and summer.
18 to 24 in. \$.40 2 to 3 ft. \$.50

HEDGE PLANTS

JAPANESE BARBERRY (Berberis thunbergi)
The best low, dense, hedge plant grown. Leaves very green and attractive during summer months, turning a rich crimson in autumn, branches drooping with loads of bright red berries which hang on until late winter.

	Each	Per 10	Per 100
9 to 12 in.	\$.15	\$ 1.25	\$ 10.00
12 to 15 in. ....	.20	1.50	12.50
15 to 18 in. ....	.25	2.00	15.00
18 to 24 in. ....	.30	2.50	20.00
2 to 2 1/2 ft. ....	.40	3.50	25.00

NEW RED-LEAVED JAPANESE BARBERRY (Berberis thunbergi atropurpurea)
A very desirable new red leaved variety of the above. Should be planted in sun for best color.

	Each	Each	
9 to 12 in.	\$.20	15 to 18 in.	\$.30
12 to 15 in. ....	.25	18 to 24 in. ....	.40

CALIFORNIA PRIVET. The most popular hedge plant on account of its beauty, adaptability, and low cost.

	Per 100	Per 1000
12 to 18 in.	\$ 4.50	\$ 40.00
18 to 24 in.	5.50	50.00
2 to 3 ft.	6.50	60.00
3 to 4 ft.	7.50	70.00

GOLDEN VARIEGATED PRIVET

Brilliant yellow foliage; dwarf, good in clumps among, or in front of, low evergreens or shrubs.

	Each	Each	
12 to 15 in.	\$.25	18 to 24 in.	\$.50
15 to 18 in. ....	.35	2 to 3 ft. ....	.60

EVERGREENS

Our Evergreens are compact, nicely shaped specimen plants. They will be balled and burlapped, that is, carefully dug with the proper amount of soil about the roots and wrapped in burlap.

All prices on Evergreens include B. and B.



It's not a home until it's planted.

ARBORVITAE

PYRAMIDAL ARBORVITAE

(*Thuja occidentalis pyramidalis*)

Retains bright green coloring throughout winter. Narrow columnar shape; splendid for accents or formal planting.

	Each		Each
12 to 18 in.	\$1.00	2½ to 3 ft.	\$2.50
18 to 24 in.	1.50	3 to 4 ft.	3.50
2 to 2½ ft.	2.00	4 to 5 ft.	4.50

SIBERIAN ARBORVITAE (*Thuja occidentalis sibirica*)

Light green, fleshy foliage. Broadly pyramidal, rugged in appearance.

18 to 24 in.	\$1.75	2½ to 3 ft.	\$3.00
2 to 2½ ft.	2.25	3 to 4 ft.	4.50

GOLDEN-TIPPED ARBORVITAE

(*Thuja occidentalis elegantissima*)

Rich, lustrous green foliage; branches tipped with yellow.

18 to 24 in.	\$1.25	2 to 2½ ft.	\$1.50
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UMBRELLA ARBORVITAE

(*Thuja occidentalis umbraculifera*)

Particularly good low mushroom-shaped form with rich green foliage.

15 to 18 in.	\$1.75	18 to 24 in.	\$2.25
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Many of our Ornamental Shrubs and Evergreens make splendid Hedges, Screens and Windbreaks. Ask for our special prices.

PARSONS ARBORVITAE (*Thuja occidentalis compacta*)
Almost globe-shaped. Bright green. Useful in formal or foundation planting.

	Each		Each
9 to 12 in.	\$.75	15 to 18 in.	\$1.50
12 to 15 in.	1.00	18 to 24 in.	2.00

GLOBE ARBORVITAE (*Thuja occidentalis globosa*)
Useful in formal work. Naturally globe-shaped.

12 to 15 in.	\$1.25	15 to 18 in.	\$1.75
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BERKMAN'S GOLDEN ARBORVITAE

(*Thuja orientalis aurea nana*)
A gem for dwarf planting; compact, roundish shape; warm golden yellow foliage. Especially good for formal work and edging.

9 to 12 in.	\$1.00	15 to 18 in.	\$2.00
12 to 15 in.	1.50	18 to 24 in.	2.75

CYPRESS

LAWSON'S CYPRESS

(*Chamaecyparis lawsoniana alumi*)

A tall pyramidal, extremely formal type, having very distinctive silvery blue foliage, giving a useful color variation to a group planting.

18 to 24 in.	\$1.50	2½ to 3 ft.	\$2.50
2 to 2½ ft.	2.00	3 to 4 ft.	3.50

FIR

WHITE FIR

(*Abies concolor*)

Grows quickly and forms symmetrical, beautiful specimen. Large, gray-green needles.

18 to 24 in.	\$1.50	3 to 4 ft.	\$4.00
2 to 3 ft.	2.50	4 to 5 ft.	6.00

FRASER FIR

(*Abies fraseri*)

A compact pyramidal tree from the North Carolina mountains. Foliage, dark green on the surface and blue underneath. Essentially a specimen tree.

2 to 3 ft.	\$2.00	4 to 5 ft.	\$4.00
3 to 4 ft.	3.00	5 to 6 ft.	5.00

DOUGLAS FIR

(*Pseudotsuga douglasii*)

Very hardy; dark bluish-green coloring. Prefers well-drained situation.

18 to 24 in.	\$1.75	3 to 4 ft.	\$4.00
2 to 3 ft.	2.50	4 to 5 ft.	5.00

HEMLOCK

CANADIAN HEMLOCK

(*Tsuga canadensis*)

An elegant pyramidal tree with drooping branches and delicate dark green foliage. Excellent for lawn purposes, also suited for hedges. Does well in shady or sunny locations.

18 to 24 in.	\$1.75	4 to 5 ft.	\$6.00
2 to 3 ft.	2.75	5 to 6 ft.	7.50
3 to 4 ft.	4.00	6 to 7 ft.	9.00

CAROLINA HEMLOCK

(*Tsuga caroliniana*)

Handsome habit; dark green, dense tufted foliage; hardy.

2 to 2½ ft.	\$2.25	3 to 4 ft.	\$3.75
2½ to 3 ft.	3.00	4 to 5 ft.	5.00



Pfitzer's Juniper

JUNIPERS

PFITZER'S JUNIPER (*Juniperus chinensis pfitzeriana*)
 Broad, bushy habit. Gray-green foliage, giving feathery appearance. A most adaptable hardy evergreen; highly recommended.

	Each		Each
12 to 15 in.	\$1.25	18 to 24 in.	\$2.50
15 to 18 in.	1.75	2 to 3 ft.	3.50

STEIN'S SPREADING JUNIPER

(*Juniperus chinensis steinii*)

This low spreading juniper has proven perfectly hardy. Its stems and branchlets overlap one another in such a manner as to form neat, low spreading masses of green. Because of its attractive green color and its thrifty robust nature, it makes an outstanding tree of its type.

10 to 12 in.	\$1.00	15 to 18 in.	\$2.50
12 to 15 in.	1.50	18 to 24 in.	3.50

GOLDEN JUNIPER

(*Juniperus communis aurea*)

Low spreading habit. Golden foliage, particularly bright in spring.

15 to 18 in.	\$1.50	18 to 24 in.	\$2.00
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IRISH JUNIPER

(*Juniperus communis hibernica*)

Slender, columnar form, compact bluish-green foliage. Formal type.

18 to 24 in.	\$1.50	2 to 2½ ft.	\$2.00
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ANDORRA SPREADING JUNIPER

(*Juniperus depressa plumosa*)

New, exceedingly hardy, assumes a very attractive purple color in winter. Transplants readily.

12 to 15 in.	\$1.00	18 to 24 in.	\$1.75
15 to 18 in.	1.25	2 to 3 ft.	2.50

In most varieties we can supply smaller or larger sizes than listed. Prices on application.

WAUKEGAN JUNIPER (*Juniperus horizontalis douglasii*)
Long branches trailing along ground. Steel-blue foliage. A splendid ground cover; also effective among rock. Distinct purple hue in winter.

	Each		Each
15 to 18 in.	\$1.50	2 to 3 ft.	\$3.00
18 to 24 in.	2.00		

SPINY GREEK JUNIPER (*Juniperus excelsa stricta*)
Compact, well-shaped pyramid. Foliage gray-green. Most useful for formal effects.

10 to 12 in.	\$1.00	15 to 18 in.	\$1.50
12 to 15 in.	1.25	18 to 24 in.	2.50

SAVIN JUNIPER (*Juniperus sabina*)
Dense, dark green foliage. Spreading branches, forming irregular vase-shaped bush.

15 to 18 in.	\$1.50	18 to 24 in.	\$2.00
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MEYER JUNIPER (*Juniperus squamata meyeri*)
Upright, close, irregular grower, with a beautiful bluish foliage; well branched and wide at the bottom.

18 to 24 in.	\$2.25	2 to 3 ft.	\$3.00
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SILVER REDCEDAR (*Juniperus virginiana glauca*)
Broadly conical form and beautiful glaucous blue foliage make it one of the choicest Junipers.

2 to 3 ft.	\$3.00	4 to 5 ft.	\$4.50
3 to 4 ft.	3.50	5 to 6 ft.	6.00

CANNART REDCEDAR (*Juniperus virginiana cannarti*)
Has fresh green foliage. Compact formal columnar habit. Good winter color, quite hardy. Quite amenable to trimming.

2 to 3 ft.	\$3.25	4 to 5 ft.	\$5.75
3 to 4 ft.	4.00		

RETINOSPORAS

THREAD RETINOSPORA (*Retinospora filifera*)
Has long, stringy, drooping branches and bright green foliage. Graceful and decorative.

	Each		Each
18 to 24 in.	\$1.75	2 to 2½ ft.	\$2.50

PLUME RETINOSPORA (*Retinospora plumosa*)
Forms a dense cone of fine texture. Useful for shearing into formal shapes.

15 to 18 in.	\$1.00	2 to 2½ ft.	\$2.00
18 to 24 in.	1.50	2½ to 3 ft.	2.50

GOLDEN PLUME RETINOSPORA (*Retinospora plumosa aurea*)
Golden form of preceding, and grows more slowly.

12 to 15 in.	\$1.00	18 to 24 in.	\$1.75
15 to 18 in.	1.25	2 to 2½ ft.	2.50

SAWARA RETINOSPORA (*Chamaecyparis pisifera*)
Quick grower. Loosely pyramidal.

18 to 24 in.	\$1.50	4 to 5 ft.	\$4.50
2 to 3 ft.	2.50	5 to 6 ft.	4.50
3 to 4 ft.	3.75	6 to 7 ft.	6.00

VEITCH'S RETINOSPORA (*Retinospora squarrosa veitchii*)
Foliage blue-gray, feathery and dense, giving soft woolly appearance. Broad pyramidal outline when young.

12 to 15 in.	\$1.00	18 to 24 in.	\$1.75
15 to 18 in.	1.25	2 to 2½ ft.	2.50

PINES

AUSTRIAN PINE

(Pinus nigra)

Rich, dark green. Vigorous, dense grower. Good for background.

	Each		Each
18 to 24 in.	\$1.75	3 to 4 ft.	\$4.50
2 to 3 ft.	3.00	4 to 5 ft.	5.50

LIMBER PINE. Dark, bluish green foliage; very hardy.

2 to 3 ft.	\$2.00	4 to 5 ft.	\$3.75
3 to 4 ft.	2.75		

MUGHO DWARF PINE

(Pinus montana mughus)

Forms a round-topped clump. Useful for rock planting and foundation work.

10 to 12 in.	\$1.25	15 to 18 in.	\$2.50
12 to 15 in.	1.75	18 to 24 in.	3.50

SPRUCE

NORWAY SPRUCE

(Picea excelsa)

A lofty noble tree of pyramidal habit. Very popular and effective in evergreen groups. Useful as a Christmas Tree or tub Specimen.

	Each		Each
12 to 18 in.	\$.75	3 to 4 ft.	\$1.75
18 to 24 in.	1.00	4 to 5 ft.	2.75
2 to 3 ft.	1.25	5 to 6 ft.	4.00

BLACK HILLS SPRUCE

(Picea canadensis albertiana)

Hardy, compact and bushy growth. Foliage green to bluish tint, bright color.

2 to 2½ ft.	\$1.75	3 to 4 ft.	\$3.00
2½ to 3 ft.	2.25		

BLUE COLORADO SPRUCE

(Picea pungens glauca)

This is one of the showiest and most impressive evergreens, surpassed only by the grafted Koster's Blue Spruce.

2 to 3 ft.	\$4.00	3 to 4 ft.	\$5.00
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KOSTER'S BLUE SPRUCE

(Picea pungens kosteri)

The aristocrat of the evergreen family. It is the most persistent blue in color of any known tree.

18 to 24 in.	\$3.50	3 to 4 ft.	\$7.50
2 to 2½ ft.	5.00	4 to 5 ft.	10.00
2½ to 3 ft.	6.00	5 to 6 ft.	12.00

YEWS

SPREADING ENGLISH YEW

(Taxus baccata repandens)

Spreading, horizontal branches, dark blue-green leaves. Valuable for low planting.

	Each		Each
15 to 18 in.	\$2.50	18 to 24 in.	\$3.00

SPREADING JAPANESE YEW

(Taxus cuspidata)

Rich, deep green leaves. Spreading, bushy habit. Valuable in foundation plantings. Exceptionally hardy.

12 to 15 in.	\$1.50	18 to 24 in.	\$3.50
15 to 18 in.	2.50	2 to 2½ ft.	4.50

UPRIGHT JAPANESE YEW (*Taxus cuspidata capitata*)
The upright type of Japanese Yew.

	Each		Each
15 to 18 in.	\$2.00	2½ to 3 ft.	\$6.00
18 to 24 in.	2.75	3 to 4 ft.	7.50
2 to 2½ ft.	4.00		

DWARF JAPANESE YEW (*Taxus brevifolia*)
Broad, thick leaves, blackish green. Slow growing and irregular, spreading habit. Exceptionally hardy.

8 to 10 in.	\$1.50	12 to 15 in.	\$2.50
10 to 12 in.	2.00	15 to 18 in.	3.50

HICKS YEW (*Taxus media hicksii*)
A beautiful columnar form. Dark green foliage.

15 to 18 in.	\$1.75	2 to 2½ ft.	\$4.00
18 to 24 in.	3.00		

BROAD-LEAVED EVERGREENS

Because they hold their rich green foliage all the year round and in many varieties make a magnificent showing of bloom, the Broad-Leaved Evergreens will always be popular. Some of the most gorgeous flowering plants are to be found in this class. Shaded situations are preferred by most of the varieties.

All Prices on Broadleaf Evergreens include B. & B.

ABELIA

BUSH ARBUTUS (*Abelia grandiflora*)
Choice small shrub, with white tinted lilac flowers, produced throughout the entire summer months.

	Each		Each
15 to 18 in.	\$.75	18 to 24 in.	\$1.25

AZALEAS

AZALEA AMOENA

Conspicuous rosy-purple flowers, April-May. Leaves turn a rich, bronze-green in winter.

	Each		Each
10 to 12 in.	\$1.00	12 to 15 in.	\$1.50

AZALEA HINODEGIRI

This is undoubtedly the most popular of the evergreen Azaleas. The carmine-pink blossoms are produced in such profusion in the early spring that they nearly hide the foliage.

8 to 10 in.	\$1.00	12 to 15 in.	\$2.00
10 to 12 in.	1.50		

BOXWOODS

BOXWOOD (*Buxus sempervirens*)
Useful for formal hedges. Specially desired for planting as individual specimens on lawns or in tubs.

	Each		Each
8 to 10 in.	\$.75	12 to 15 in.	\$1.25
10 to 12 in.	1.00	15 to 18 in.	1.50

DWARF ENGLISH BOXWOOD (*Buxus suffruticosa*)

A very low growing variety, used for window boxes and edgings around beds of shrubbery or along walks, etc.	Each	Per 10
3 to 4 in.	\$.20	\$1.50
4 to 6 in. ....	.35	3.00
6 to 8 in. ....	.45	4.00
8 to 10 in. ....	.75	7.00

COTONEASTER

ROCK COTONEASTER (Cotoneaster horizontalis)
Small box-like leaves; bright red berries, effective among rocks.

	Each		Each
6 to 9 in.	\$.75	9 to 12 in.	\$1.25

DAPHNE

ROSE DAPHNE (Daphne cneorum)
Gray-green foliage, low spreading. Pretty pink flowers in April-May. Delightful fragrance.

	Each		Each
8 to 10 in.	\$1.25	10 to 12 in.	\$1.50

PYRACANTHA

LALAND FIRETHORN (Pyracantha coccinea lalandi)
Rich, glossy foliage. White flowers in large clusters, followed by orange to scarlet berries.

	Each		Each
18 to 24 in.	\$1.50	2 to 3 ft.	\$2.50

LAUREL

MOUNTAIN-LAUREL (Kalmia latifolia)
Most effective in June when the clusters of pink flowers open. This stock is nursery grown. Good foliage; likes shade.

	Each		Each
15 to 18 in.	\$1.50	18 to 24 in.	\$2.00

MAHONIA

MAHONIA AQUIFOLIUM (Oregon Holly Grape)
Shining green leaves, turn rich scarlet in Autumn; striking in May when yellow flowers appear; blue-black fruits. Best in half shade.

	Each		Each
15 to 18 in.	\$1.50	18 to 24 in.	\$2.50

RHODODENDRON

ROSEBAY RHODODENDRON

(Rhododendron maximum)

Beautiful light pink flowers freely produced in May-June. Large handsome foliage, most effective in masses.

	Each		Each
12 to 18 in.	\$.75	2 1/2 to 3 ft.	\$2.50
18 to 24 in.	1.00	3 to 4 ft.	3.00
2 to 2 1/2 ft.	1.50		

CATAWBA RHODODENDRON

(Rhododendron catawbiense)

Late Spring blooms of rose-lavender. Thrives satisfactorily in half-shade.

15 to 18 in.	\$2.00	2 to 2 1/2 ft.	\$3.50
18 to 24 in.	3.00	2 1/2 to 3 ft.	4.50

CAROLINA RHODODENDRON

(Rhododendron carolinianum)

Light rose flowers appearing in early May. Low, compact plant. Will tolerate a position in sunshine.

12 to 15 in.	\$1.25	2 to 2 1/2 ft.	\$3.50
15 to 18 in.	2.00	2 1/2 to 3 ft.	4.00

RHODODENDRON HYBRIDS

Hardy named varieties, Pink, Red and Lavender.

15 to 18 in.	\$3.50	21 to 24 in.	\$6.50
18 to 21 in.	5.00		

HOLLY

The transplanting of Hollies is not difficult if handled properly. Our Hollies are several times transplanted and can be dug with a good ball of earth, and are almost sure to grow.

AMERICAN HOLLY

(*Ilex opaca*)

The bright, red berries of our own American Holly lend a cheerful note to the landscape during the winter months. It may be used in the border planting or as a specimen, and succeeds in any loamy, well-drained soil.

	Each		Each
18 to 24 in.	\$2.25	3 to 3½ ft.	\$4.50
2 to 2½ ft.	3.00	3½ to 4 ft.	5.25
2½ to 3 ft.	3.75	4 to 5 ft.	6.00

JAPANESE HOLLY

(*Ilex crenata*)

Shrub with glossy, dark green leaves and black berries.

18 to 24 in.	\$1.75	2 to 2½ ft.	\$2.50
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American Holly

Perhaps it was three hundred years ago when the holly tree pictured above began to grow. For approximately three centuries it has grown. This tree, located near York Furnace, in the southern part of York County, has become the largest known specimen of its kind in this latitude. It is estimated to be 75 feet high, with a circumference at the base of about 65 inches and with a two-foot diameter. In 1935, through the efforts of the Conservation Society of York County, a suitable marker was placed at the base of the tree.

LEUCOTHOE

LEUCOTHOE CATESBAEI (Drooping Leucothoe)
Attractive white flowers, May. Handsome lustrous leaves, rich autumn coloring. Splendid for under planting in shade.

	Each	Each	
18 to 24 in.	\$1.50	2 to 2½ ft.	\$2.25

PACHYSANDRA

JAPANESE SPURGE (Pachysandra terminalis)
One of the best bedding plants for green effect in shady places.

	Per 10	Per 100
4 to 6 in.	\$1.50	\$12.00

ORNAMENTAL CLIMBING VINES

BOSTON IVY (Ampelopsis veitchii)
Brilliant autumn coloring, blue berries, turning black; closely self-clinging. Also called Japanese Creeper.

	Each
18 to 24 in.	\$.50

ENGLISH IVY (Hedera helix)
Good ground cover in shady locations. An ideal wall cover. Evergreen.

3 in. pots	\$.25
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CLEMATIS PANICULATA
The flowers are of medium size, fragrant, pure white, borne in immense sheets in September.

2-year, first-class	\$.50
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SILVER LACE VINE (Polygonum auberti)
Climbing plant of vigorous growth that produces through summer and fall great foamy sprays of white flowers.

2 year, No. 1	\$.75
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WISTERIA SINENSIS (Chinese Wisteria)
Good for pergolas, porches and trellises; dense drooping clusters of pea-shaped purple-blue flowers.

2 to 3 ft. grafts	\$1.00
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ORNAMENTAL HARDY GRASSES

EULALIA JAPONICA. Long, narrow, graceful green foliage, and when in flower the silvery grey plumes are very attractive.

EULALIA JAPONICA VARIEGATA. Very ornamental; long, narrow leaves, striped green and white.

EULALIA JAPONICA ZEBRINA. The long blades of this variety are marked with broad, yellow bands across the leaf. Sometimes called Zebra Grass.

Strong clumps	\$.25
Extra heavy clumps ....	.50

EVERBLOOMING ROSES

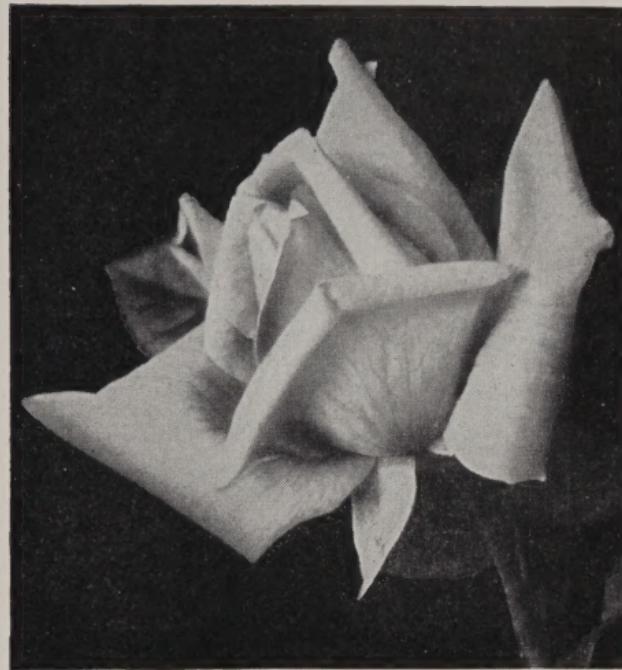
In Cloverset Pots

Two-year field grown. These potted roses for sale at the nursery. Will not be shipped.

Prices: 85c Each; \$3.75 for 5.

Good assortment of varieties.

EVERBLOOMING HYBRID TEA AND HARDY CLIMBING ROSES



Two-year field grown, dormant stock. Shipped Prepaid.

Spring orders must be mailed by April 7th. Fall orders accepted any time.

Prices: Except where noted 85c Each.

Everblooming Hybrid Tea Roses.

Mrs. P. S. DuPont, Yellow.
 Editor McFarland, Deep Pink.
 President Hoover, Multicolored.
 Mrs. Sam McGredy, Scarlet Orange (\$1.00).
 Golden Dawn, Light Yellow.
 Etoile de Hollande, Crimson.
 Christopher Stone, Scarlet Crimson (\$1.00).
 Radiance, Rose Pink.
 Red Radiance, Cerise Red.
 K. A. Victoria, Cream-White.
 Margaret McGredy, Orange-Scarlet.
 Ami Quinard, Black-Lustered Red (\$1.00).

**12 Everblooming Roses one each of
 the above \$9.50.**

Hardy Climbing Roses.

American Beauty, Light Crimson.
 Spanish Beauty (Mme. Gregoire Staechlein), Pearl Pink.
 Silver Moon, White.
 Doubloons (Plant Pat. 152), Yellow (\$1.00).

REPEAT BLOOMING CLIMBING ROSES

Can be supplied in Cloverset pots or shipped dormant plants, as above.

Blaze (Plant Pat. 10), Scarlet (\$1.00).
 New Dawn (Plant Pat. 1), Blush-Pink (\$1.50).

Root wrapped Roses for sale at the nursery until about April 25th. Special prices. Good assortment of varieties.

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You Are Invited

To visit our nursery and see acres of choice stock from which to make your selections.

SELECT YOUR PLANTS AT THE NURSERY. It is possible to drive to the Nursery and take the plants home with you.

INSTRUCTIONS TO PURCHASERS

See Inside Back Cover

ROOT'S NURSERIES
MANHEIM, PA., R. D. 1
TELEPHONE—LANDISVILLE



If you are not acquainted with the location of our Nurseries, a little study of the above map will help you to get to us very easily. There will be someone in attendance during daylight hours on week days.

No business transacted on Sundays.

Complete Index in back of Catalog

SUITABLE DISTANCE FOR PLANTING

Apples—30 to 40 feet apart each way.

Standard Pears and Cherries—20 feet apart each way.

Plums, Peaches and Apricots—16 to 18 feet apart each way.

Dwarf Pears and Quinces—10 to 12 feet apart each way.

Grapes—rows of 10 to 16 feet apart; 7 to 10 feet in rows.

Currants and Gooseberries—4 feet apart.

Raspberries and Blackberries—3 to 4 by 5 to 7 feet.

Strawberries, for field culture—1 by 3 to 3½ feet.

Strawberries, for garden culture—1 to 2 feet apart.

Asparagus, for field culture—18 to 24 inches by 3½ to 4 feet.

Asparagus, for garden culture—18 to 24 inches apart each way.



NUMBER OF TREES OR PLANTS TO THE ACRE

40 feet apart each way	28
30 feet apart each way	48
20 feet apart each way	110
18 feet apart each way	135
15 feet apart each way	205
12 feet apart each way	300
10 feet apart each way	435
8 feet apart each way	680
6 feet apart each way	1,210
5 feet apart each way	1,745
4 feet apart each way	2,725
3 feet apart each way	4,840

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant, which, divided into the number of square feet in an acre (43,560), will give the number of plants or trees to the acre.

*Yours
For a
Home more Fruitful
and Beautiful*

ROOT'S NURSERIES
Our 48th Year

We invite you to come to the nursery
and select your stock before it is dug.